

**ORIGINAL** Form 3

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d)

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SEP 23 2002

Illinois Commerce Commission  
RAIL SAFETY SECTION

X-11782

T02-0053

Date: September 19, 2002

To the Illinois Commerce Commission:

The petitioner Burlington Northern Santa Fe shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are

**There are currently two tracks with a new main two track under construction. We have replaced the motion equipment (PMD-1s ) with PMD-3 motion equipment on the currently existing two tracks and would like to add the third track warning equipment when necessary.**

**The third track will be built between the currently existing two mains. The cantilevers and gates will not be moved from their present locations. When the third track goes into service the the warning equipment will become constant warning.**

004386N

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Burlington Northern Santa Fe Railway

By

Walter F. Adams III

Walter F. Adams III  
General Construction Supervisor,  
Signals  
(773) 579-5155

Michael L. Sazdanoff  
(Attorney for Petitioner)

Kenneth J Wysoglad &  
Associates.

Suite 1002B  
200 West Monroe street  
Chicago, IL. 60606

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(Attorney's Address)

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Ill. Adm. Code 1535.400(d).

1. Name of Railroad Company Burlington Northern Santa Fe
2. Crossing Number 004 386N
3. Village or City near Joliet, IL.
4. Name of Street or Highway Smith Bridge Road (AKA Arsenal Road)
5. Public Agency Maintaining Highway Channahon Township
6. Protection now established: (Give full description. Indicate the hours of any manual protection.)  
Warning systems now includes HXP/PMD -3s on current Main 1 and Main 2
7. Protection desired: (Give details)  
The third track will be built between the currently existing two mains. The cantilevers and gates will not be moved from their present locations. When the third track goes into service the the warning equipment will become constant warning.
8. Number of main tracks 3 Other tracks 0
9. Number of passenger train movements:
 

6 a.m. to 6 p.m.	<u>0</u>	6 p.m. to 6 a.m.	<u>0</u>
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10. Number of freight train movements:
 

6 a.m. to 6 p.m.	<u>30</u>	6 p.m. to 6 a.m.	<u>30</u>
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11. Approximate number of switch movements:
 

6 a.m. to 6 p.m.	<u>0</u>	6 p.m. to 6 a.m.	<u>0</u>
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12. Maximum speed of trains at crossing on each track in each direction
 

Track 1 N/E Bound	<u>79</u> mph	S/W Bound	<u>79</u> mph
Track 2 N/E Bound	<u>79</u> mph	S/W Bound	<u>79</u> mph
Track 3 N/E Bound	<u>40</u> mph	S/W Bound	<u>40</u> mph
13. Passenger platforms served by tracks within the limits of track circuits, if any 0
14. Where automatic signals or gates are proposed, approximately number of train or engine movements daily which would cause false indications or operation 0

15. Nature and approximate amount of street or highway traffic over crossing  
**This is a county road with substantial amount of traffic at rush hours. Majority of traffic is private automobiles, but commercial traffic also uses Arsenal Road.**
16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:
- (a) Width and surface of highway.
  - (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
  - (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
  - (d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
  - (e) Show the length of each operation track section within the control limits of the crossing protection and its function.

#### ADDITIONAL INFORMATION

**There are occasions when AMTRAK will use these main lines when being rerouted by the Union Pacific. There is no set schedule for the rerouting.**

VERIFICATION

I, Walter F. Adams III, first being duly sworn upon oath depose and say that I am General Construction Supervisor, Signals of Burlington Northern Santa Fe, an Delaware corporation; that I have read the above and foregoing petition by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.

  
Burlington Northern Santa Fe

STATE OF ILLINOIS  
Illinois Commerce Commission  
Transportation Division

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SEP 23 2002

Illinois Commerce Commission  
RAIL SAFETY SECTION

Form 2

Notice of completion of minor change in crossing  
protection under 92 Illinois Administrative Code  
1535.400(c).

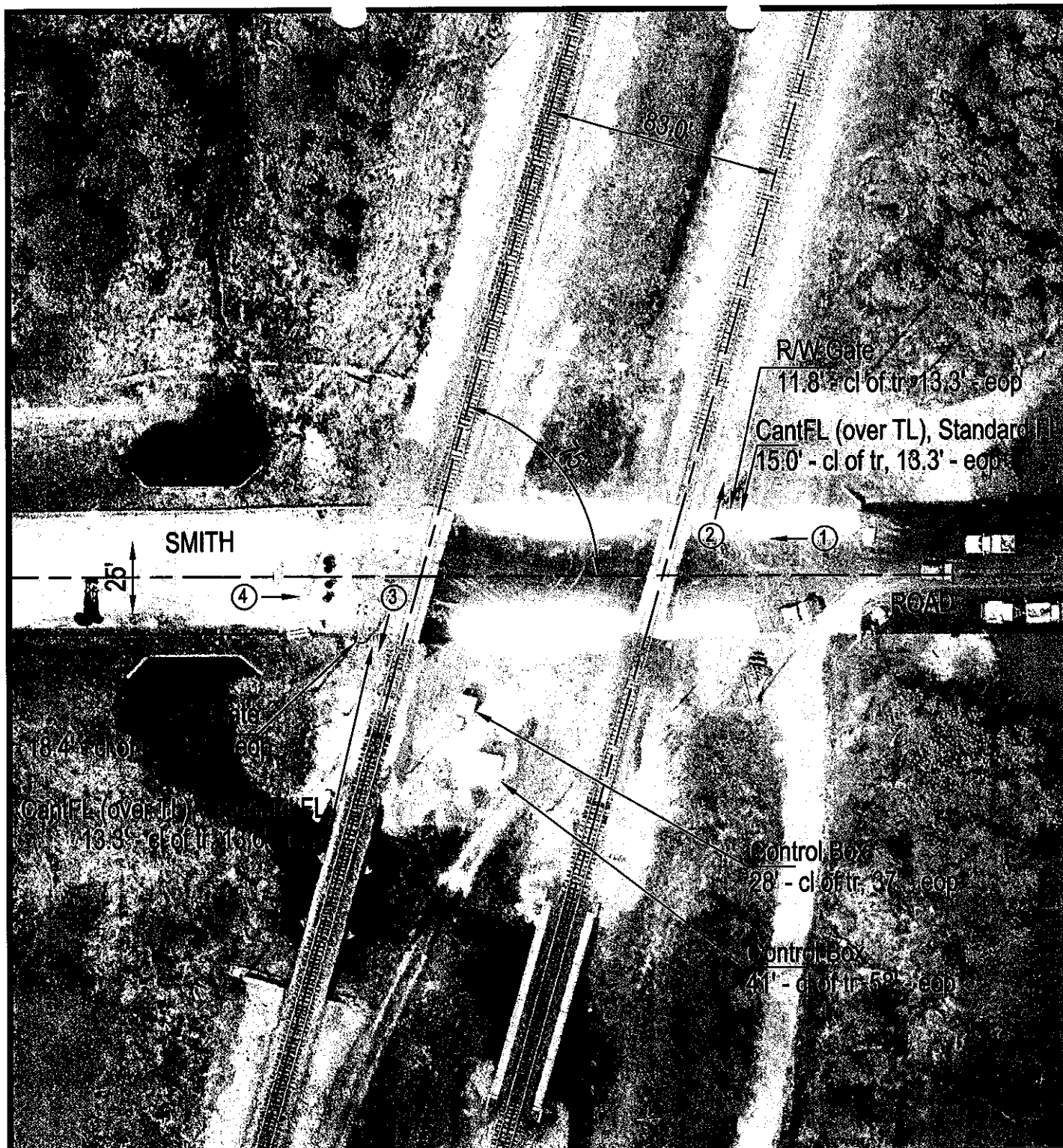
Date: September 19, 2002

To the Illinois Commerce Commission:

The Burlington Northern Santa Fe Railway Company hereby gives notice that on (09/06/02) it completed the making of a minor change at crossing Number (004 386N) in accordance with the notice proposing such change given to this Commission on (5/13/02).

Burlington Northern Santa Fe

By Walter F. Adams III  
Walter F. Adams III  
General Construction Supervisor  
773-579-5155

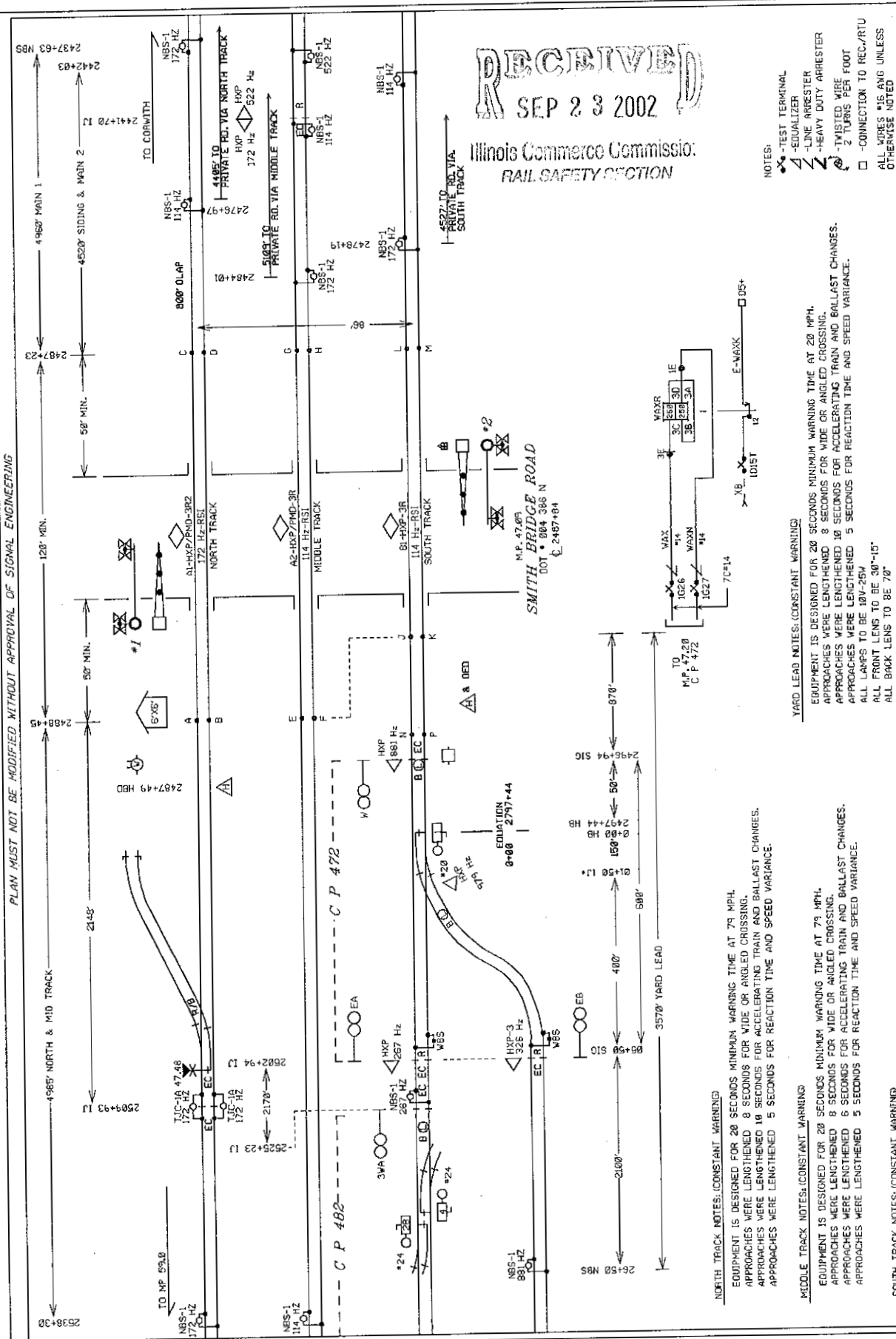


TR 2 TR 1  
100.1 W. 100.0 100.2 100.6 100.0 99.9 99.8 100.2 E.  
**ROAD PROFILE**

Crossing #: 004386N  
Location: Will Co., City of Channahon (N)  
Lat/Long: 41°25'15" / 88°10'13"  
Railroad: BNSF  
Street: Smith Rd.  
Railroad Milepost: 47.12  
Crossing Protection: Train Activated Devices

③ Photo Location







PLAN MUST NOT BE MODIFIED WITHOUT APPROVAL OF SIGNAL ENGINEERING



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Illinois Commerce Commission:  
RAIL SAFETY SECTION

NOTES:

-  -TEST TERMINAL
-  -EQUALIZER
-  -LINE ARRESTER
-  -HEAVY DUTY ARRESTER
-  -TWISTED WIRE
-  2 TURNS PER FOOT
- ☐ - CONNECTION TO REC./RTU

ALL WIRES #16 AWG UNLESS OTHERWISE NOTED

YARD LEAD NOTES: (CONSTANT WARNING)  
EQUIPMENT IS DESIGNED FOR 20 SECONDS MINIMUM WARNING TIME AT 20 MPH.  
APPROACHES WERE LENGTHENED 8 SECONDS FOR WIDE OR ANGLED CROSSING.  
APPROACHES WERE LENGTHENED 10 SECONDS FOR ACCELERATING TRAIN AND BALLAST CHANGES.  
APPROACHES WERE LENGTHENED 5 SECONDS FOR REACTION TIME AND SPEED VARIANCE.

MODULE TRACK NOTES (CONSTANT WARNINGS)

SOUTH TRACK NOTES: CONSTANT WARNING  
EQUIPMENT IS DESIGNED FOR 20 SECONDS MINIMUM WARNING TIME AT 48 MPH.  
APPROACHES WERE LENGTHENED 6 SECONDS FOR WIDE OR ANGLED CROSSING.  
APPROACHES WERE LENGTHENED 10 SECONDS FOR ACCELERATING TRAIN AND BALLAST CHANGES.  
APPROACHES WERE LENGTHENED 15 SECONDS FOR REACTION TIME AND SPEED VARIANCE.

**SOUTH TRACK NOTES: (CONSTANT WARNING)**

EQUIPMENT IS DESIGNED FOR 20 SECONDS MINIMUM WARNING TIME AT 40 MPH.  
APPROACHES WERE LENGTHENED 6 SECONDS FOR WIDE OR ANGLED CROSSING.  
APPROACHES WERE LENGTHENED 8 SECONDS FOR ACCELERATING TRAIN AND BAL  
APPROACHES WERE LENGTHENED 10 SECONDS FOR REACTION TIME AND SPEED VA  
APPROACHES WERE LENGTHENED 5 SECONDS FOR REACTION TIME AND SPEED VA

**BURLINGTON NORTHERN SANTA FE RAILWAY**  
**CROSSING CIRCUIT PLAN**  
**SMITH BRIDGE ROAD**

LS 7000	MP 47.09	SH 01 of 12
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IN SERVICE - -  
 Request to Jobot  
 NPS: TSS/MAT COR: TJM/CLM

September 17, 2002

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STATE OF ILLINOIS  
Illinois Commerce Commission  
Transportation Division

RECEIVED  
MAY 16 2002

Illinois Commerce Commission  
RAIL SAFETY SECTION

Form 2

Notice of completion of minor change in crossing  
protection under 92 Illinois Administrative Code  
1535.400(c).

Date:

To the Illinois Commerce Commission:

The **Burlington Northern Santa Fe Railway Company** hereby gives notice that on  
(5/1/02) it completed the making of a minor change at crossing Number (004 386N) in  
accordance with the notice proposing such change given to this Commission on (5/29/2001).

**Burlington Northern Santa Fe**

By Walter F. Adams III  
Walter F. Adams III  
General Construction Supervisor  
773-579-5155